

## Attachment 2 – Monitoring Measures Plan

This Appendix to the Environment Management Plan for the Odra-Vistula Flood Management Project - **1B.4.B/2 Contract for works: Dredging of the Klucz-Ustowo ditch** presents monitoring activities concerning the fulfilment of mitigation actions detailed in the Attachment 1 to the EMP and environmental monitoring of the constructions works conducted by the Contractor's panel of environmental experts, in compliance with the relevant conditions stated in the derogation decision (a copy of the decision in Attachment 5 to the EMP). The data in the below tables shows all the monitoring activities, which will be carried out by the Contractor and the Engineer during the life of 1B.4/2 Contract.

Explanations on the tables in the Attachment 2 to the EMP:

- 1) unless otherwise stated in a particular case, the term **Task implementation Area** means the area of performing any preparatory works, essential works (including the Permanent Works and Temporary Works), and any works related to the removal of defects and faults or execution of the unfinished works specified in the Takeover Certificate or revealed during the Defects Notification Period, together with the lands subject to temporary acquisition;
- 2) unless otherwise stated in a particular case, the term **Task implementation Time** means the duration of any preparatory works, essential works execution (including the Permanent Works and Temporary Works), and any works related to the removal of defects and faults or execution of the unfinished works specified in the Takeover Certificate or revealed in the Defects Notification Period;
- 3) unless otherwise stated in a particular case, the term **Contractor's Personnel** in column *Responsible Party* means personally the EMP Coordinator in the Contractor's staff (referred to in item 58 in Appendix 1 to the EMP), cooperating with the Site Manager and the rest of the Contractor's Staff (including a team of environmental experts, team of archaeological experts, explosive ordnance disposal experts, Occupational Health and Safety (OHS) Supervisors);
- 4) unless otherwise stated in a particular case, the term **Engineer's Personnel** in the *Responsible Party* column refers to the Experts on Environmental Management from the Contract Engineer Personnel, who cooperate with the relevant Supervisory Inspectors and the remaining part of the Engineer's Personnel.
- 5) if **visual monitoring** is mentioned it also includes 1) preparation of photographic documentation if it is necessary to document the occurrence of incidents or the implementation of an action 2) an on-site inspection carried out by the Engineer.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
<b>A</b>	<b>REQUIREMENTS CONCERNING THE TASK EXECUTION SCHEDULE</b>					
<b>1</b>	Works schedule	<p><b>EMP conditions related to work deadlines</b> While establishing the Works Schedule and its realisation, the Contractor shall take into consideration EMP conditions relating to the periods of works, including:</p> <p>a) possible deadlines of works (see item 17)</p> <p>b) additional mitigation efforts (conditional temporary restrictions) (see item 18 and p. 6.8.1. of the EMP)</p> <p>c) permissible time limits to carry out works in the area between the eastern end of the Klucz - Ustowo ditch and the estuary of Obnica Północna in order to protect the water chestnut (<i>Trapa natans</i>) sites (see items 68, 69).</p> <p>d) securing specimens of the water chestnut (<i>Trapa natans</i>) (Item 70).</p>	Task implementation Area	Contractor's Personnel	Verifying works schedule. Ongoing monitoring if EMP requirements listed in item 1 of Attachment 1 to the EMP are satisfied (in the way it is described in this table)	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time. Reporting tasks once a month.
				Engineer's Personnel	Ongoing monitoring if specific EMP requirements listed in item 1 of Attachment 1 to the EMP are satisfied (in the way it is described in this table). Verifying documents submitted to the Engineer by the Contractor.	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time.
<b>2</b>	Works schedule	<p><b>EMP conditions related to activities to be performed before commencement of the works and in the initial phase of works.</b> While establishing the Works Schedule and in the phase of its realisation, the Contractor shall take into consideration the EMP conditions related to activities necessary to be performed before commencement of the works or in the initial phase, including:</p> <p>a) condition relating performance of one-time terrain inspection of the Task</p>	Task implementation Area and adjoining areas	Contractor's Personnel	Verifying works schedule. Ongoing monitoring the implementation of EMP requirements listed in item 2 of Attachment 1 to the EMP are satisfied (in the way it is described in this table).	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time. Reporting tasks once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		<p>implementation Area and immediate vicinity, that is area indicated in the graphic attachment no. 7 to EMP (see item 12) and securing specimens of the water chestnut (<i>Trapa natans</i>) (Item 70);</p> <p>b) conditions relating documents preparation (see items 33, 37, 38, 45, 48, 52)</p> <p>c) conditions relating acceptance acquisition from the Engineer for the person holding the position of Coordinator of the EMP realisation and composition of the environmental supervision team, and the munitions response team. (see item 58, 59, 61)</p> <p>d) conditions relating trainings and EMP realisation procedures (see item 57);</p> <p>e) conditions relating provision of other trainings (see item 42, 44, 60).</p> <p>f) conditions for implementing ESHS policy requirements (see items 71 to 80).</p>		Engineer's Personnel	<p>Verifying documents submitted to the Engineer by the Contractor.</p> <p>Ongoing monitoring the implementation of EMP conditions listed in item 2 of Attachment 1 to the EMP (in the way it is described in Attachment 2).</p>	<p>Before the beginning of Task execution.</p> <p>On an ongoing basis during the Task implementation Time.</p>
<b>B COMMUNICATION REQUIREMENTS IN THE TASK IMPLEMENTATION AREA</b>						
3	Health and safety protection, material goods protection	<b>Conditions related to use of waterways</b>	Waterways within and outside of the Task implementation Area			
		a) the Contractor will be responsible for all and every damages to the construction, navigation signs of water ways and other engineering buildings or infrastructure, caused by it or its Subcontractors while performing the works, including transport of the spoil and equipment. The Contractor shall repair all damages at its own cost and, if necessary, perform other works ordered by the Engineer.		Contractor's Personnel	Visual monitoring	On an ongoing basis during the Task implementation Time. Reporting tasks once a month
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time.

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4		b) The Contractor shall prepare photographic documentation of the entire area of the Task implementation, with particular emphasis on the technical condition of the infrastructure indicated in item a.		Contractor's Personnel	Visual monitoring. Control of the progress of work on the preparation of documentation. Control of the submission of documents to the Engineer.	During the Task implementation period, on an ongoing basis, not less frequently than once a week until the condition is met.
				Engineer's Personnel	Verification of documentation submitted by the Contractor to the Engineer.	During the Task implementation period, on an ongoing basis, not less frequently than once a month until the condition is met.
5		c) the Contractor shall be responsible for complying with the navigation rules and procedures on inland and sea waters, in relation to its own units and units of the Subcontractors.		Contractor's Personnel	Visual monitoring	On an ongoing basis during the Task implementation Time. Reporting tasks once a month
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time.
<b>C PROCEDURES REGARDING LOCATION OF THE CONSTRUCTION BACK-UP FACILITIES, ROADS, TECHNOLOGICAL AND STORAGE SITES, AND PARKING AREAS</b>						
6	Water and soil protection, wildlife protection	<b>Prohibition of preparing land back-up facilities as well as ways and technological sites along the Klucz - Ustowo ditch.</b>  The Contractor is forbidden to create land back-up-facilities or place roads, technological and storage sites or parking places while implementing the Task.	Task implementation Area and adjoining areas	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time. Reporting tasks once a month.
				Engineer's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time.
<b>D PROCEDURES REGARDING THE USE OF DEPOSITS FROM DREDGING</b>						
7	Water and soil protection	<b>Dredging spoil management</b>  The spoil from dredging works shall be transferred to silting field Mańków (permission from Maritime Office in Szczecin issued on 01.06.2017, no. DBM-II-	Task implementation Area	Contractor's Personnel	Visual monitoring, . Verifying documents related to dredging spoils management.	On an ongoing basis during the Task implementation Time. Reporting tasks once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		074/4/2/17). The spoil will be loaded directly onto means of water transport. The manner of spoil handling shall be presented in the Waste Management Plan, prepared by the Contractor and sent for approval to the Engineer before commencement of the Works (item 33). Conditions to use the deposition field will constitute the subject of a contact entered between the Contractor and the operator of the deposition field.		Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time.
8	Water and soil protection	Compliance by the Contractor with the requirements contained in the water-law permit regarding the operation of the "Mańków" silting field issued to the Maritime Office in Szczecin (Appendix No. 9 to the EMP), by means of testing by the accredited laboratory of waters discharged from silting field in the range of: pH, BOD <sub>5</sub> , COD, total suspension, total nitrogen, total phosphorus, including sampling as described in the said water-law permit.	Silting field Mańków	Contractor's Personnel	Verifying documents submitted to the Maritime Office in Szczecin.	Each time after performing the action specified in the condition.
				Engineer's Personnel	Verifying documents submitted to the Maritime Office in Szczecin.	Each time after performing the action specified in the condition.
9	Wildlife protection	The Contractor shall include in the Schedule a ban on conducting silting works in the period from January 1 to June 30, resulting from a water and legal permit regarding the operation of the "Mańków" silting field, issued to the Maritime Office in Szczecin (Appendix No. 9 to the EMP).	Silting field Mańków	Contractor's Personnel	Verification of work schedule and progress of works. Visual monitoring.	During the Task implementation period, on an ongoing basis, not less frequently than once a week.
				Engineer's Personnel	Verification of work schedule and progress of works.	During the Task implementation period, on an ongoing basis, not less frequently than once a month.
10	Water and soil protection	<b>Soil quality check</b> If, as the result of current evaluation and verification of spoil quality (see monitoring activity item 84 in Attachment 2 to the EMP), changes in the parameters and	Task Area	Contractor's Personnel	Visual monitoring. Verification of documentation concerning tests of spoil.	During the Task implementation period, on an ongoing basis, not less frequently than once a week.

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		<p>appearance of the spoil (e.g. colour, smell, consistency) are found:</p> <ul style="list-style-type: none"> <li>-The Contractor shall carry out control tests and determine the quality of the spoil in accordance with applicable regulations (in accordance with the Act of 14 December 2012 on waste and relevant executive acts to the Act). The tests will be carried out by laboratories accredited for such tests.</li> </ul> <p>The purpose of the tests is:</p> <ul style="list-style-type: none"> <li>- determining the possibility of depositing a batch of the deposits in the silting field (in the case of confirming the absence of contamination with hazardous substances),</li> <li>- determination of acceptable ways of dealing with contaminated spoil (see item 11).</li> </ul>		Engineer's Personnel	<p>Visual monitoring.</p> <p>Control of the documentation submitted to the Engineer by the Contractor.</p>	<p>During the Task implementation period, on an ongoing basis, not less frequently than once a month.</p>
11	Water and soil protection	<p><b>Contaminated spoil management</b></p> <p>In case polluted soil is found (in which the acceptable level of substance proportion is exceeded according to the current legal provisions regarding this matter, that is Waste Act, Environmental law and administrative acts of the abovementioned acts), it should be removed and forwarded to entities holding applicable licence for the further management of the spoil. The manner of spoil handling and operational procedures shall be presented in the Waste Management Plan, prepared by the Contractor and sent for approval to the Engineer before commencement of the Works (item 33).</p>	Task implementation Area	Contractor's Personnel	<p>Visual monitoring.</p> <p>Verifying documents on soil quality and the compliance with relevant provisions.</p>	<p>On an ongoing basis during the Task implementation Time, at least once a week.</p>
				Engineer's Personnel	<p>Visual monitoring.</p> <p>Verifying documents submitted to the Engineer by the Contractor.</p>	<p>On an ongoing basis during the Task implementation Time, at least once a month.</p>
<b>E PROCEDURES REGARDING PROTECTION OF PRESERVED NATURAL RESOURCES</b>						

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12	Wildlife protection	<p><b>One-time environmental inspection of the Task implementation Area and the immediate vicinity before works commencement.</b></p> <p>Before the works commencement, the environmental inspection team, referred to in item 59, shall perform a one-time environmental inspection of the Task implementation Area and its immediate vicinity, that is area indicated in the graphic attachment no. 7.</p> <p>In case of habitat of fauna or flora under protection discovery, in connection to which breach of bans resulting from the provisions of law, it is necessary to acquire decisions that allow for deviation from the bans related to habitats or protection posts of flora and fauna species, described in item 13-16.</p>	Task implementation Area and adjoining areas (shown in Visual Attachment 7 to the EMP)	Contractor's Personnel	Reporting to the Contractor the activities which have been completed in one of the monthly reports on Contract implementation along with site inspection protocols, environmental experts' reports, etc.	Once before the beginning of works.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	Controlling the required experts' contribution.
13	Wildlife protection	<p><b>Acquisition of necessary deviations from the bans applicable in the ration to species under protection.</b></p> <p>Should, before work commencement or during a one-time environmental control, described in item 12, or in the Task implementation Period, presence of habitats or protection posts of flora and fauna be found, the following conditions apply (described in item 13 - 16):</p>	Task implementation Area			
		<p>a) The Contractor acquires and sends for the Engineer's acceptance the opinion of the environmental inspection team (described in item 59), which includes the necessity to receive derogation permissions described in point b), and furtherly, if necessary according to the</p>		Contractor's Personnel	Confirming execution of the activities which have been completed in a monthly report on Contract implementation along with site inspection protocols, environmental expert reports, etc.	On an ongoing basis during the Task implementation Time, every time when a specific condition occurs.

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		opinion, performs activities described in point b-d (below);			Controlling the contribution of the required expert from the Contractor's Personnel.	
				Engineer's Personnel	<p>Verifying documents submitted to the Engineer by the Contractor.</p> <p>Controlling on an ongoing basis if the Contractor's panel of environmental experts fulfil their current duties.</p> <p>Controlling the required experts' contribution.</p> <p>Controlling on an ongoing basis if the Contractor's required experts fulfil their current duties.</p>	On an ongoing basis during the Task implementation Time, at least once a month.
<b>14</b>		b) before commencement of any work that aims at destruction of habitats or posts or frightening away representatives of species under protection (in line with the wording of the opinion described in point a), the Contractor shall acquire necessary derogation permissions in relation to the protected species of plants and animals, issued under the Nature Conservation Act of 16 April.		Contractor's Personnel	<p>Confirming execution the activities which have been completed in a monthly report on Contract implementation along with site inspection protocols, environmental expert reports, etc.</p> <p>Controlling the contribution of the required expert from the Contractor's Personnel.</p>	On an ongoing basis during the Task implementation Time, every time a specific condition occurs.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.



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					<p>Controlling on an ongoing basis if the Contractor's panel of environmental experts fulfil their current duties.</p> <p>Controlling the required experts' contribution.</p> <p>Controlling on an ongoing basis if the Contractor's required experts fulfil their current duties.</p>	
15		c) the Contractor shall deliver the acquired derogation permissions for the Engineer's acknowledgement;		Contractor's Personnel	<p>Confirming execution the activities which have been completed in a monthly report on Contract implementation along with site inspection protocols, environmental expert reports, etc.</p> <p>Controlling the contribution of the required expert from the Contractor's Personnel.</p>	On an ongoing basis during the Task implementation Time, every time when a specific condition occurs.
				Engineer's Personnel	<p>Verifying documents submitted to the Engineer by the Contractor.</p> <p>Controlling on an ongoing basis if the Contractor's panel of environmental experts fulfil their current duties.</p> <p>Controlling the required experts' contribution.</p> <p>Controlling on an ongoing basis if the Contractor's</p>	On an ongoing basis during the Task implementation Time, at least once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
16		d) the Contractor shall implement conditions stipulated in the derogation permissions (see also item 60) strictly and in a timely manner.			required experts fulfil their current duties.	
				Contractor's Personnel	Reporting to the Contractor the activities which have been completed in a monthly report on Contract implementation along with site inspection protocols, environmental expert reports, etc.  Controlling the contribution of the required expert from the Contractor's Personnel.	On an ongoing basis during the Task implementation Time, at least once a week and every time when a specific condition occurs.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.  Controlling on an ongoing basis if the Contractor's panel of environmental experts fulfil their current duties.  Controlling the required experts' contribution. Controlling on an ongoing basis if the Contractor's required experts fulfil their current duties.	On an ongoing basis during the Task implementation Time, at least once a month.
17	Wildlife protection	<b>Period of works execution</b> The Works shall be carried out between 1 July and 31 December. (note: see items 67 and 68 for additional time restrictions in the area between the eastern end of the Klucz- Ustowo ditch and the Obnica Północna estuary due to the protection of the water chestnut ( <i>Trapa natans</i> ).	Task implementation Area	Contractor's Personnel	Verifying works schedule.	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time. Reporting tasks once a month.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor. Visual monitoring.	Before the beginning of Task execution.

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						On an ongoing basis during the Task implementation Time, at least once a month.
18	Wildlife protection	<p><b>Additional minimizing measures (conditional activity in line with description in point 6.8.1 of EMP)</b></p> <p>In case of noting actual autumnal migration (in purposes to find place for winter time) of young perch or perch-pike, the works shall be performed only until the end of day-time, namely until 5 PM., also breaks in performance of work should be planned during the day.</p> <p>Due to difficulties in observing migratory fish, specified water temperature parameters should be used to determine the migration time. The beginning of the sequence should be taken as the moment when the water temperature does not exceed 8°C on three consecutive days, and the end as the moment when the water temperature does not exceed 5°C on 10 consecutive days (measurement 1 m below the surface). For this purpose, daily temperature measurements should be carried out from 15 October (at the place where suspended solids and oxygen concentrations are monitored - see item 23) until the end of the migration route is detected. Regardless of the water temperature measurements, the beginning of the migration sequence should be confirmed by performing a test using an echo sounder.</p> <p>Necessity of implementing additional minimizing activities will be set by the Engineer on the basis of information</p>	Task implementation Area	Contractor's Personnel	Visual monitoring. Verifying works schedule.	On an ongoing basis during the Task implementation Time. Reporting tasks once a week.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor. Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.

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		received from the Contractors' environmental supervisory body [indicated in point 59] or on the basis of own observations.				
19	Water protection; wildlife protection	<b>Required method of dredging works</b> The silting task shall be performed with the use of sand suction pump dredger. Other equipment, such as clamshell dredger or a backhoe on a pontoon, can be used only for finishing works, e.g. forming slopes of the navigation channel or locally to eliminate shoal patches, with the exclusion of the possibility of working directly in the area of the Obnica Północna estuary due to the population of the water chestnut.	Task implementation Area	Contractor's Personnel	Visual monitoring.	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time. Reporting tasks once a month.
				Engineer's Personnel	Visual monitoring.	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time.
20	Wildlife protection	<b>Manner for performance of work</b> The dredging works shall be made starting from one end of the ditch, going towards the other end.	Task implementation Area	Contractor's Personnel	Visual monitoring.	Before the beginning of Task execution. On an ongoing basis during the Task implementation Time. Reporting tasks once a month.
				Engineer's Personnel	Visual monitoring.	Before the beginning of Task execution. On an ongoing basis during Works execution. Reporting tasks once a month.
21	Wildlife protection	The dredging works shall be restricted to the navigation channel only.	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during Works execution. Reporting tasks once a month.
				Engineer's Personnel	Visual monitoring.	On an ongoing basis during Works execution.
22	Wildlife protection	The dredging works cannot be performed on the banks of the Klucz - Ustowo (Skońnica) ditch and the immediately	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during Works execution. Reporting tasks once a month.

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		surrounding terrain on land, this includes no interference in reed stands.		Engineer's Personnel	Visual monitoring.	On an ongoing basis during Works execution.
23	Wildlife protection	<p><b>Protection of ichthyofauna and the water chestnut population against increased concentrations of suspended solids in the Klucz - Ustowo ditch and Odra and the Obnica Północna Canal</b></p> <p>In order to protect the ichthyofauna and the water chestnut habitat (in the Obnica Północna Canal) from increased suspended solids concentration in the Klucz – Ustowo ditch and Odra river, the works should be carried out in accordance with the following principles:</p> <p>a) if concentrations of suspended solids higher than 200 mg/l or dissolved oxygen concentrations &lt; 4 mg O<sub>2</sub>/l are recorded, the intensity of the works should be reduced (2-hour intervals every 2 hours) and if concentrations &gt;400 mg/l of suspended solids or &lt;3 mg O<sub>2</sub>/l are detected, the works should be stopped for a period of at least 24 hours,</p> <p>b) the restart of works after any break caused by excess of suspended solids concentration must be preceded by remeasuring the suspended solids concentration at the monitoring points,</p> <p>c) restart of works may only take place under conditions of suspended solids concentration below 200 mg/l at monitoring points.</p>	Task implementation Area	Contractor's Personnel	Visual monitoring. Controlling the measurement of suspended solids concentration in the waters of Klucz-Ustowo Canal and the Oder. Verifying documents to be submitted to the Engineer.	During the Task implementation Time, On an ongoing basis with reporting on a weekly basis.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a week.

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		<p>d) determination should be made at monitoring points located approx. 500 m downstream the worksite and in the Obnica Północna canal 100 m from the estuary to the Klucz -Ustowo ditch.</p> <p>The monitoring of the suspended solids concentrations should be carried out daily, carrying out the measurement after at least 2 hours of work execution (with normal intensity). If the concentration exceeds 200 mg/l, the measurement should be repeated after a 2-hours break. In parallel with the measurement of the suspended solids concentration, dissolved oxygen will be measured. If the value is below 4 mg O<sub>2</sub>/l, the work will be stopped for a minimum of 2 hours, and if the value is below 3 mg O<sub>2</sub>/l - for a minimum of 24 hours. Oxygen concentration measurement should be carried out in the middle of the water column - about 1.0 m below the surface.</p>				
<b>F PROCEDURES REGARDING PREVENTION AGAINST ENVIRONMENT POLLUTION, INCLUDING RESTRICTION OF EMISSIONS TO THE ENVIRONMENT</b>						
<b>24</b>	Water and soil protection	<b>Technical efficiency and machines, equipment overhaul</b> The dredging works must be performed with the usage of technically efficient machines only, in a way that prevents water contamination.	Task implementation Area	Contractor's Personnel	Visual monitoring, verifying machine technical documentation.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring, verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
<b>25</b>	Water and soil protection	<b>Prevention of petroleum contamination</b> The Contractor shall perform periodical overhauls of machines and equipment, and eliminate, with the available organisational means, the possibility of any kind of contamination, including especially spill of oil, hydraulic fluid and petroleum	Task implementation Area	Contractor's Personnel	Visual monitoring.	During the Task implementation Time:  1) ongoing machine and equipment maintenance checks, at least once a week  2) ongoing control of fuel spills

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		substances, both while servicing, transporting and using machines and equipment.				
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
26	Water and soil protection	<b>Proceedings in case of petroleum products contamination</b> In case of emergency spill of petroleum substance or other exploitation materials to water, immediate actions aiming at neutralization of the spill, its collection and transfer to entities authorised to manage such wastes in order to neutralize it, must be taken. In case a more serious emergency occurs, procedures from items 46, 48, shall be followed.	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week and every time a specific condition occurs.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
27	Water and soil protection	<b>Sorbent equipment</b> The proper amount of sorbents must be secured (especially the those adequate to eliminate spill on water), necessary for usage in case of uncontrolled spills of petroleum substance, according to the Spillage Procedure described in detail in point 6.14 of EMP. Sorbets shall be stored on vessels.	Task implementation Area	Contractor's Personnel	Visual monitoring, keeping a photographic record. Verifying documents on the organisation of works.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.

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28	Water protection	<b>Water spill containment barriers</b> Secure proper amount of water spill containment barriers, necessary for usage in case of uncontrolled spills of petroleum substance, according to the Spillage Procedure described in detail in point 6.14 of EMP. The water spill containment barriers must be stored on vessels.	Task implementation Area	Contractor's Personnel	Visual monitoring. Verifying documents on the organisation of works.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
29	Water protection	<b>Refuelling of floating equipment</b> Refuelling will be performed in a place designated for refuelling. In case a separate permission for fuelling site or a fuelling ship stay and the manner of its operation is necessary to be acquired from the head of Inland Navigation Office, the Contractor shall acquire such a permission.	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
	Air protection, acoustic environment protection	<b>Minimising air pollution from exhaust fumes</b>	Task implementation Area			
30		a) Dredger cutters and other combustion engine-driven machines shall not be left with their engine idling during a break in their operation		Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
		Engineer's Personnel		Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a month.	
31		b) ships and vessels shall berth with their engines off;		Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
		Engineer's Personnel		Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a month.	
32	c) in the Task implementation Period, only technically efficient machines and equipment, with sound (acoustic power) and exhaust emission that are in line with the applicable laws, can be used.	Contractor's Personnel	Visual monitoring. Verifying technical documents of machines and equipment .	On an ongoing basis during the Task implementation Time, at least once a week.		
	Engineer's Personnel	Visual monitoring. Verifying documents submitted to	On an ongoing basis during the Task implementation Time, at least once a month.			



Environmental Management Plan

1B.4/2 Contract for works: Dredging of the Klucz-Ustowo ditch

Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
					the Engineer by the Contractor.	
<b>G REQUIREMENTS CONCERNING WASTE AND SEWAGE MANAGEMENT</b>						
<b>33</b>	Water protection	<b>Preparation of Waste Management Plan (WMP)</b> The Contractor shall prepare Waste Management Plan, described in details in point 6.14 of EMP, and get acceptance of the Engineer.	Task implementation Area	Contractor's Personnel	Controlling the progress of document preparations.  Controlling if the documents have been submitted to the Engineer	On an ongoing basis during the Task implementation Time, at least once a week and every time when a specific condition occurs
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	Once before the beginning of works, verifying and approving the document.
<b>34</b>	Water protection	<b>Waste management rules</b> The management of waste produced during Task execution shall follow the following rules: <ul style="list-style-type: none"> <li>waste shall be separated and stored selectively in leak-proof containers on-board vessels;</li> <li>waste shall be successively collected by parties authorized to manage it;</li> <li>ship waste shall be moved to ship waste disposal sites.</li> </ul> Waste management shall follow the rules stipulated in Act on Waste of December 14, 2012, Act on Inland Navigation of December 21, 2000, and the Waste Management Plan referred to in item 33 of Attachment 1 to the EMP.	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
<b>35</b>	Water protection	<b>Storing hazardous substances and materials</b> If hazardous substances and materials are stored, they must be properly secured in order to prevent the access of unauthorized persons or bystanders. Information about the hazards shall be put on warning signs.	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		Hazardous waste shall be separated and stored in specified containers on-board vessels until it is collected by parties authorized to neutralise it.		Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
36	Water protection	<b>Procedures for domestic and sanitary sewage management</b> Domestic and sanitary sewage must be stored on vessels in leak proof tanks and transferred to entities holding adequate permission for wastewater management.	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
<b>H PROCEDURES REGARDING HUMAN HEALTH AND SAFETY</b>						
	Health and safety protection	<b>Preparations of documents concerning safety within the Task implementation Area</b>	Task implementation Area			
37		a) the Contractor shall prepare and acquire Engineer's acceptance for the Safety and Health Plan (SHP Plan) described in details in point 6.14 of EMP;		Contractor's Personnel	Controlling the progress of document preparations. Controlling if the documents have been submitted to the Engineer.	On an ongoing basis during the Task implementation Time, at least once a week and every time when a specific condition occurs.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	Once before the beginning of works, verifying and approving the document.
38		b) The Contractor shall prepare and acquire Engineer's acceptance for the Dredging Works Plan and Safe Navigation Project , described in details in point 6.14 of EMP.		Contractor's Personnel	Controlling the progress of document preparations. Controlling if the documents have been submitted to the Engineer.	On an ongoing basis during the Task implementation Time, at least once a week and every time a specific condition occurs.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	Once before the beginning of works, verifying and approving the document.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
39	Health and safety protection	<p><b>Ensuring an explosive ordnance disposal team in the Task implementation Area</b></p> <p>In order to minimize risk connected with the possibility of presence on the Task implementation Area dangerous military items, the Contractor shall ensure:</p> <ul style="list-style-type: none"> <li>during works - ensure explosive ordnance disposal team during the earthwork (the Contractor's sapper's supervision) which consists in conducting ongoing inspections and clearing the area of dangerous items of military origin and their disposal;</li> <li>in case a dangerous military item is found on the Task implementation Area - realisation of procedures described in item 47.</li> </ul>	Task implementation Area	Contractor's Personnel	<p>Visual monitoring.</p> <p>Controlling the required experts' contribution and arrangements.</p> <p>Controlling if the documents have been submitted to the Engineer.</p>	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a week and every time when a specific condition occurs.
				Engineer's Personnel	<p>Visual monitoring.</p> <p>Verifying documents submitted to the Contractor by the Engineer.</p>	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every time when a specific condition occurs.
40	Health and safety protection	<p><b>Implementation of guidelines regarding OHS</b></p> <p>The Contractor shall ensure implementation of detailed guidelines regarding occupational safety, i.a, within the scope of:</p> <ul style="list-style-type: none"> <li>usage and maintenance of working tool - in particular inland sand pump dredger;</li> <li>transport;</li> <li>electrical and power system as well as devices;</li> <li>machines and technical equipment;</li> <li>works carried out on water; included in applicable laws.</li> </ul>	Task implementation Area	Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	<p>Visual monitoring.</p> <p>Verifying documents submitted to the Engineer by the Contractor.</p>	On an ongoing basis during the Task implementation Time, at least once a month.
	Health and safety protection	<b>Ensuring hygienic conditions</b>	Task implementation Area			

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1B.4/2 Contract for works: Dredging of the Klucz-Ustowo ditch

Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
41	Water protection	a) sanitary cabins/toilets and shall be provided and employees shall use them, (Procedures for domestic and sanitary sewage management was described in point 36);		Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
42		b) all employees must be trained on keeping appropriate hygienic conditions in the Task implementation Area;		Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
43		c) adequate social facilities for posted workers must be provided. Organisation of the social facilities must be performed in line with item 6, 34 and 36 on prohibition of creation of back-up facilities on land, management of domestic and sanitary sewage..		Contractor's Personnel	Visual monitoring.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
44	Health and safety protection	<b>Principles for prevention of such diseases as HIV-AIDS</b> Employing a proper service provider, the Contractor shall implement programme increasing awareness on spreading such diseases as HIV-AIDS (including organisation of adequate training) and	Task implementation Area and the surrounding areas	Contractor's Personnel	Controlling the compliance of the Contractor's actions with the contractual conditions.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a week.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		adopt all other necessary measures in order to minimise the risk of spreading HIV amongst the Contractors' personnel and the local community. The activities must be performed in accordance with the detailed conditions, set forth in the Tender Documents of the contract (Part 3, Section VIII - General Conditions, clause 6.7)		Engineer's Personnel	Verifying documents submitted to the Contractor by the Engineer.	On an ongoing basis during the Task implementation Time, at least once a month.
<b>I PROCEDURES REGARDING EXTRAORDINARY HAZARDS TO THE ENVIRONMENT</b>						
45	Health and safety protection, water protection	<b>Rules of conduct associated with flood risk</b> Considering the flood risk, the Contractor shall draft a document titled <i>Flood Protection Plan for the Duration of Works</i> and will obtain the Engineer's approval. In case of flood the Contractor will follow the procedures described in the above document.	Task implementation Area	Contractor's Personnel	Visual monitoring. Controlling the progress of document preparations. Controlling if the documents have been submitted to the Engineer in a timely manner.	Once before the beginning of works in terms of drafting and submitting the document. during the Task implementation Time in terms of verification and the need to update the documents on an ongoing basis, at least once a month.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.  Direct and random checks if the Contractor abides by the procedures described in the relevant document.	On an ongoing basis during the Task implementation Time, at least once a month.
46	Health and safety protection, water protection	<b>Notification rules in emergencies</b> In case of emergencies (other than flood), accident, major breakdown, etc., the Contractor is obliged to undertake the following activities: <ul style="list-style-type: none"> <li>call adequate services immediately (Fire brigade, Emergency medical services, Police, Head of the Inland Navigation Office, etc.);</li> <li>until arrival of the services, perform necessary activities limiting the risk of</li> </ul>		Contractor's Personnel	Visual monitoring. Controlling if the required procedures are followed. Controlling if documents have been submitted to the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every time a specific condition occurs.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		<p>personnel, property and environmental losses (when possible, agreed with the relevant services);</p> <ul style="list-style-type: none"> <li>inform the Engineer and the Contracting Party;</li> <li>after arrival of the relevant services, act strictly according to their orders and instructions.</li> </ul> <p>[see also procedures in points 26, 47]</p>		Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Contractor by the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every time a specific condition occurs.
47	Health and safety protection, water protection	<p><b>Procedures for unexploded ordnances management</b></p> <p>In case unexploded ordnance is found, one must:</p> <ul style="list-style-type: none"> <li>stop work immediately;</li> <li>evacuate zone around the discovery;</li> <li>immediately inform Sapper's Supervision [indicated in point 61] and Police, and act according the instructions received from the bodies;</li> <li>inform the Engineer and the Contracting Party;</li> </ul> <p>Under no circumstances should the found unexploded ordnance be picked up, dug out, moved, thrown into fire or water, etc.</p>	Task implementation Area	Contractor's Personnel	Visual monitoring. Controlling if the required procedures are followed. Controlling if documents have been submitted to the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every time when a specific condition occurs.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Contractor by the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every time when a specific condition occurs.
48	Health and safety protection, water protection	<p><b>Rules of conduct in case of spill of petroleum substances (POLs)</b></p> <p>In relation to the risk of possible spill of petroleum substances, the Contractor shall prepare and acquire approval the Engineer of a document, so called Spillage Procedure.</p> <p>In case of the spill, the Contractor shall follow procedures described therein.</p>	Task implementation Area	Contractor's Personnel	Visual monitoring. Controlling if the required procedures are followed. Controlling if documents have been submitted to the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every time when a specific condition occurs.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Contractor by the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a month and every

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
						time when a specific condition occurs.
49	Health and safety protection, water protection	<b>Water safety guidelines / preventing navigation accidents</b>	Task implementation Area			
		a) means of transport (vessels) have to fulfil relevant inland navigation provisions binding in the Republic of Poland [see also points 3 and 5 referring to communication services in the Task implementation Area];		Contractor's Personnel	Visual monitoring. Verifying the documents concerning the Task implementation Area communication services. Controlling the progress in obtaining agreements.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
50	b) parameters of the means of transport (set of floating Conveyor) must be adopted to conditions resulting from the current class of the waterway.	Contractor's Personnel		Visual monitoring. Verifying the documents concerning the Task implementation Area communication services. Controlling the progress in obtaining agreements.	On an ongoing basis during the Task implementation Time, at least once a week.	
		Engineer's Personnel		Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.	
51		c) employing vessels while realization of works requires agreement from the applicable Head of Inland Navigation Office in Szczecin and the Head of		Contractor's Personnel	Visual monitoring. Verifying the documents concerning the Task implementation Area communication services.	On an ongoing basis during the Task implementation Time, at least once a week.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		Maritime Office in Szczecin (in case see waters are to be used),			Controlling the progress in obtaining agreements.	
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
52		d) before commencement of the work, Safe Navigation Project must be prepared. It must be approved by the Head of Inland Navigation Office in Szczecin, Head of Maritime Office in Szczecin (in case see waters are to be used) and the applicable administrator of the waterway.		Contractor's Personnel	Visual monitoring. Verifying the documents concerning the Task implementation Area communication services. Controlling the progress in obtaining agreements.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
53		the area under work and the waterway must be properly signed to inform on threats and limitations in the navigation, according to the Act on Inland navigation and provisions of the local laws. The way of marking and places of putting signs must be agreed with the Head of Inland Navigation Office in Szczecin and the authorised administration of the waterway.		Contractor's Personnel	Visual monitoring. Verifying the documents concerning the Task implementation Area communication services. Controlling the progress in obtaining agreements.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.



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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
<b>J PROCEDURES REGARDING CULTURAL MONUMENTS PROTECTION</b>						
54	Preservation of cultural monuments	<b>The rules of conduct in case of discovery of mobile monuments or archaeological sites</b> In case of finding an item presumed to be a monument during works execution, the Contractor will immediately stop the works which may result in harming or damaging the discovered item, secure the item and the place of discovery using all available resources and immediately inform the Provincial Monuments Conservator or, if it is not possible, the village mayor of Kołbaskowo commune, and the mayor of Gryfino town and commune. The Contractor will also inform the Engineer of the above.	Task implementation Area	Contractor's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month and every time when a specific condition occurs.
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor. Controlling the required experts' contribution.	On an ongoing basis during the Task implementation Time, at least once a month and every time when a specific condition occurs.
55	Preservation of cultural monuments	<b>Obtaining a permit from the Provincial Monuments Conservator</b> In order to fulfil the provisions of the EMP concerning the preservation of cultural heritage and monuments, the Contractor, should such a need arise, under the power of attorney granted by the Ordering Party shall obtain a permit from the Provincial Monuments Conservator (MZK) for rescue archaeological investigations.	Task implementation Area	Contractor's Personnel	Controlling the progress in obtaining contractual permits. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month and every time when a specific condition occurs.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month and every time when a specific condition occurs.
<b>K PROCEDURES REGARDING RESTORING OF NATURAL RESOURCES</b>						
56	Wildlife protection	Natural resources restoration shall be performed in line with the decisions referred to in items 13 – 16.	Task implementation Area	Contractor's Personnel	Visual monitoring. Verifying works schedule. Verifying the documents on reclamation.  Controlling the required experts' contribution and arrangements.	On an ongoing basis during the Task implementation Time. Reporting tasks once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
				Engineer's Personnel	Visual monitoring. Verifying documents submitted to the Engineer by the Contractor.  Controlling the required experts' arrangements.	On an ongoing basis during the Task implementation Time, at least once a month.
<b>L REQUIREMENTS CONCERNING THE CONTRACTOR'S PERSONNEL ENGAGED IN THE EMP EXECUTION</b>						
57	EMP implementation and execution reporting	<p><b>Contractor staff training regarding EMP realisation</b></p> <p>The Contractor shall be responsible for training its management, engineer and technical staff that supervises the construction works (finished with a test evaluating knowledge of the participants) on the EMP's rules and conditions and protective recommendation while carrying out construction works. The training should be prepared with the help of the Contractors' environmental supervision team. The Contractors workers, who are to work with fuels or other petroleum and other substances harming health and environment, should be trained on land and water environmental protection procedures and application of the protection measures, including usage of sorbents or spill containment equipment on water.</p> <p>In monthly reports for the Engineer, the Contractor shall include information on the level of staff training on the EMP procedures in the current reporting period.</p>	Task implementation Area	Contractor's Personnel	Verifying if all the required persons currently working on the Contract have been trained and handing the account of the verification over to the Site Manager.	On an ongoing basis during the Task implementation Time, at least once a week.
				Engineer's Personnel	Verifying if the Engineer receives correct information about the training of the Contractor's personnel handed over to him with monthly reports.. Verification if the Contractor's current personnel is familiar with the provisions of the EMP on an ongoing basis.	On an ongoing basis during the Task implementation Time, at least once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
58	EMP implementation and execution reporting	<p><b>Appointing EMP coordinator in the Contractor's team</b></p> <p>In the Contractor team, a person for coordination and supervision of activities concerning implementation of EMP shall be appointed.</p> <p>The following shall constitute duties of the person:</p> <ul style="list-style-type: none"> <li>• supervision over realisation of particular EMP conditions on subsequent Task realisation phases;</li> <li>• systematic supervision over the advancement level in realisation of particular conditions from Attachment no. 1 and 2 of EMP within the Task implementation Area;</li> <li>• systematic reports for management of the Contractor's team on the duties resulting out of EMP regarding a given phase of works, and problems arising while implementing EMP;</li> <li>• cooperation with the other members of the Contractor's team (especially with the environmental supervision team, referred to in point 59) within realisation of EMP;</li> <li>• reporting on realisation of EMP (in line with rules set forth in points 62 - 65);</li> <li>• cooperation with people responsible for EMP realisation in the Engineer and the Contracting party's team.</li> </ul> <p>The Coordinator for the EMP in the Contractor's Team cannot be a member of the Contractor's environmental supervision team at the same time.</p> <p>Person chosen for the position needs to be approved by the Engineer.</p>	Task implementation Area	Engineer's Personnel	Controlling if the required person is in the Contractor's Personnel. Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
59	EMP implementation and execution reporting	<p><b>Securing environmental supervision team</b></p> <p>For the entire Task implementation Period, the Contractor secures involvement of the environmental supervision team, comprising representatives of the following specialization:</p> <p>a) zoologist- ichthyologist (fish);</p> <p>b) zoologist-mammalogist with a special consideration of big mammals, among others beavers, otter and herpetologist (reptiles, amphibians),</p> <p>c) zoologist - ornithologist (birds);</p> <p>d) botanist.</p> <p>The experts will be engaged in the chosen mitigating and monitoring activities, set forth in EMP, in particular:</p> <p>a) mitigating activities set forth in Attachment no. 1 to EMP in particular in points: 12 - 18, 56, 57-64, 70.</p> <p>b) monitoring activities set forth in Attachment no. 2 to EMP, in particular in points: 12 - 18, 56, 64-66, 70.</p> <p>Personal composition of the environmental supervision team must be approved by the Engineer.</p> <p>One member of the environmental supervision team may represent at most two environmental specializations mentioned above in point a-d.</p>	Task implementation Area	Contractor's Personnel	<p>Confirming the execution of activities in a monthly report on Contract implementation along with site inspection protocols, reports by the panel of environmental experts, etc.</p> <p>Controlling the contribution of the required expert from the Contractor's Personnel.</p>	On an ongoing basis during the Task implementation Time, with reporting once a week.
				Engineer's Personnel	<p>Verifying documents submitted to the Engineer by the Contractor.</p> <p>Controlling if the Contractor's panel of environmental experts fulfil their current duties.</p>	On an ongoing basis during the Task implementation Time, with reporting once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
60	EMP implementation and execution reporting	<p><b>Tasks of the environmental supervision team</b></p> <p>The task of the environmental supervision team is to take protective measures in case environmental threat for fauna and flora is found, as a result of activities connected with the Task realisation. Tasks of the environmental supervision team include in particular:</p> <ul style="list-style-type: none"> <li>- before commencement of the Task realisation, preparation of single environmental control of the Task implementation Area and its immediate vicinity, that is area indicated in graphic attachment no. 7, to check for existence of protection species sites [see item 12];</li> <li>- in case presence of the sites or fauna and flora species under protection is found, towards which breach of bans stipulated in the applicable laws will be necessary, before commencing</li> </ul>	Task implementation Area and adjoining areas (shown in Visual Attachment 7 to the EMP)	Contractor's Personnel	<p>Confirming the execution of activities in a monthly report on Contract implementation along with site inspection protocols, reports by the panel of environmental experts, etc.</p> <p>Controlling the contribution of the required expert from the Contractor's Personnel.</p>	On an ongoing basis during the Task implementation Time, at least once a week.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		<p>the works it is necessary to acquire applicable derogation permission to perform tasks [see point 13 - 16].</p> <ul style="list-style-type: none"> <li>- supervision within the Task implementation Period, if necessary                             <ul style="list-style-type: none"> <li>a) on the basis on the acquired derogation permission, carry out activities preventing negative influence on the specimen found;</li> <li>b) indicating the need to implement additional mitigation activities - time limits in work performance - set forth in item 18;</li> <li>c) indicating the need to implement additional solutions concerning protection of birds (times, manner of performing works) with relation to sites of the birds under protection;</li> </ul> </li> <li>- training for the Contractor's workers on the procedures in case of threats for the natural environment is found on the Task realisation area [see point 57].</li> </ul>		Engineer's Personnel	<p>Verifying documents submitted to the Engineer by the Contractor. Controlling if the Contractor's environmental supervision experts fulfil their current duties.</p>	<p>On an ongoing basis during the Task implementation Time, at least once a month.</p>
<b>61</b>	EMP implementation and execution reporting	<p><b>Securing Sapper's Supervision team</b> For the entire Task implementation Period, the Contractor secures involvement of the Sapper's Supervision team. The team shall be involved in realisation of the chosen mitigation activities set forth in EMP (in particular regarding to activities provided in point 39).</p>	Task implementation Area	Contractor's Personnel	<p>Visual monitoring. Controlling the required experts' contribution and arrangements. Controlling if documents have been submitted to the Engineer.</p>	<p>On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a week and every time a specific situation described in item 43 occurs.</p>

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		Depending on the needs, the Sapper's Supervision team may consist of two or more persons, who hold industrial licences and required permits. Personal composition of team must be approved by the Engineer. The Contractor shall develop and submit to the Engineer for approval the methodology for carrying out explosive ordnance works.		Engineer's Personnel	Controlling the required experts' contribution and arrangements. Controlling if documents have been submitted to the Engineer.	On an ongoing basis during the Task implementation Time (both before the beginning of works and during works execution), at least once a week and every time when a specific situation described in item 45 occurs.
<b>M REPORTING PROCEDURES ON THE EMP REALISATION</b>						
<b>62</b>	EMP implementation and execution reporting	<b>Reporting on the EMP realisation level in the monthly reports</b> Within the Task implementation Period, the Contractor shall provide the Engineer with monthly reports on realisation of conditions set forth in EMP (in the form of a check-list accompanied by necessary attachments, including reports on realisation of the environment supervision. The Engineer will provide the Contractor with a template of the above mentioned report (checklist). Depending on circumstances, the Engineer may demand from the Contractor delivery of additional reports, on, among others, emergencies that took place, realisation of chosen points of EMP, and others.	Task implementation Area	Contractor's Personnel	Controlling the progress in preparing and handing over the required reports and information within the Contractor's Personnel.	On an ongoing basis during Works execution, reporting once a month.
				Engineer's Personnel	Controlling the progress in preparing and handing over the required reports and information to the Engineer.	On an ongoing basis during the Task implementation Time.
<b>63</b>	EMP implementation and execution reporting	<b>Discussing the EMP implementation during work meetings and Site Meetings</b> During the Task implementation Time the PIU representatives, the Engineer and the Contractor will participate in monthly meetings and discuss and control mitigation and monitoring actions implementation described in the EMP.	Task implementation Area	Contractor's Personnel	Controlling if all meetings took place and controlling if the matters associated with the EMP implementation have been discussed during Site Meetings. Reporting the conclusions to the Site Manager.	On an ongoing basis during the Task implementation Time, at least once a month.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		Regardless of the above, current requirements and problems associated with the EMP implementation will be discussed during all Site Meetings.		Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
	EMP implementation and execution reporting	<b>Contractor's environmental supervision team reports</b> The Contractor's environmental supervision team shall provide reports including (conditions set forth in point 64 - 66):	Task implementation Area			
64		a) preparation of periodical reports (monthly, quarterly and final report) from the realisation of conditions set forth in EMP (in a form of check-list accompanied by necessary attachments, including reports on environmental supervision) delivered to the Engineer and requiring his approval.		Contractor's Personnel	Controlling the progress in preparing and handing over the required reports and information to the Engineer.  Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
65		b) preparation of reports delivered to Regional Director of Environmental Protection in Szczecin, in line with provisions of the decision, on deviation from the bans applicable to specimens of protected species [ <i>derogation permission</i> ] (attachment no. 5 to EMP).		Contractor's Personnel	Controlling the progress in preparing and handing over the required reports and information to the Engineer.  Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.



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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
66		c) preparation of reports delivered to Regional Director of Environmental Protection in Szczecin in line with provisions of the decisions set forth in points 13-16, if stipulated)		Contractor's Personnel	Controlling the progress in preparing and handing over the required reports and information to the Engineer.  Verifying documents submitted to the Engineer by the Contractor.	On an ongoing basis during the Task implementation Time, at least once a month.
				Engineer's Personnel	Verifying documents submitted to the Engineer by the Contractor.	

Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
<b>N DEDICATED MEASURES TO PROTECT THE POPULATION OF THE WATER CHESTNUT (TRAPA NATANS) IN THE OBNICA PÓŁNOCNA CANAL</b>						
67	Protection of natural resources	<b>Ban on the movement of floating equipment in the Obnica Północna Canal</b> The Contractor shall not allow the movement of floating equipment associated with the planned works in the Obnica Północna Canal , with the exception of monitoring activities and other activities resulting from EMP, executed with boats without engines or other boats if the speed of below 20 km/h is maintained.	Obnica Północna Canal	Contractor's Personnel	Visual Monitoring	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual Monitoring Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.
68	Protection of natural resources	<b>Deadline for works in the area between the eastern end of the Klucz - Ustowo ditch and the Obnica Północna estuary</b> Execution of works is permitted in the period from May 15 to September 30.	Area between the eastern end of the Klucz - Ustowo ditch and the Obnica Północna estuary	Contractor	Visual monitoring of work progress Verification of the work schedule	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual monitoring of work progress Verification of the work schedule and documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
69	Protection of natural resources	<p><b>Conditional work execution in the area between the eastern end of the Klucz - Ustowo ditch and the Obnica Północna estuary from 1<sup>st</sup> of October onwards.</b></p> <p>Carrying out of works is possible after eliminating the risk of depositing sediments into the Obnica Północna Canal in the amount causing a risk of burial of water chestnut fruits, in the form of executing of a barrier steering the flow of water along the Klucz - Ustowo cut and limiting the inflow of water into the Obnica Północna during the works carried out at its estuary.</p> <p>The method of the barrier execution shall be subject to the Engineer's approval.</p>	Area between the eastern end of the Klucz - Ustowo ditch and the Obnica Północna estuary	Contractor's Personnel	Visual Monitoring	Prior to the commencement of the works, to which this condition applies and during the period, in which the work covered by this condition is to be carried out. Continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual monitoring.	Prior to the commencement of the works, to which this condition applies and during the period, in which the work covered by this condition is to be carried out. Visual monitoring.
70	Protection of natural resources	<p><b>Protection of specimens of the water chestnut</b></p> <p>Prior to commencing the works between June 20 and August 31, the Contractor's environmental supervision team, will execute nature inventory of the Klucz-Ustowo ditch to identify the presence of locally expansive protected species (such as <i>Trapa natans</i>, <i>Salvinia natans</i>, <i>Nymphoides peltata</i>).</p> <p>Prior to commencing the works, the Contractor will secure a part of specimens from the water chestnut population (50 rosettes) acquired most of all from Klucz-Ustowo if the presence of the species is found and next from various locations where the species is abundant within the Obnica Północna canal between 20<sup>th</sup> of June and 31<sup>st</sup> of August). The collected specimen of water chestnut will be transferred to a replacement site (e.g. in the Obnica Pofudniowa canal, located vis a vis Obnica</p>	Task area	Contractor's Personnel	Visual monitoring. Verification of the documentation of the Contractor's environmental supervision team	During the implementation of the Task, on an ongoing basis, at least once a week until the condition is met.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	During the implementation of the Task, on an ongoing basis, at least once a month until the condition is met.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		<p>Północna canal in the area of Międzyodrze, at least 100 away from the former lock connecting this canal with the Klucz - Ustowo ditch).</p> <p>The activity will be carried out under the supervision of the Contractor's environmental supervision team referred to in item 59. The action requires a departure from the bans applicable to protected species referred to in items 13-16.</p> <p>In the case of identifying the presence of the above-mentioned protected species in the Klucz-Ustowo ditch, it is recommended to transfer all specimens of these plants to the Obnica Południowa canal.</p> <p>In case of the verified absence of water chestnut <i>Trapa natans</i> plants in the Klucz – Ustowo ditch and when the population of the species in the Obnica Północna canal is lower than 5000 the number of rosettes to be transferred can be lower than indicated 50 but not greater than 1% of the resources of the local part of the population in the Obnica Północna canal. In case of very limited number of rosettes in the Obnica Północna canal, Contract Engineer can decide not to execute the measure.</p>				
<b>O MANAGEMENT STRATEGIES, ESHS IMPLEMENTATION PLANS AND SPECIFIC REQUIREMENTS OF ESHS POLICIES</b>						
<b>71</b>	Protection of health safety of people Protection of waters, protection of	Within 30 days from the commencement of the Contract, the Contractor shall prepare and submit for the Engineer's approval a document entitled: Implementation plan and strategy for the management of environmental, social, health and safety risks: which includes, <i>inter alia</i> , such	Task area	Contractor's Personnel	Control of the progress of works on the preparation of documents. Control of the submission of documents to the Engineer.	On a one-off basis, before the commencement of works on the preparation and submission of documents. During the implementation of the Task in the scope of verification and needs to update documents,

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
	natural resources	elements as: a description of the actions taken to manage the risks, a description of the materials and equipment used, a description of the management processes, etc. to be implemented by the Contractor and its subcontractors in order to minimise the risks. The Contractor shall, at the Engineer's request, update and submit for approval the Implementation Plan and strategy for the management of environmental, social, health and safety risks.		Engineer's Personnel	Verification of the documentation submitted by the Contractor to the Engineer. Direct random checks of the Contractor's compliance with the procedures described in individual documents.	on an ongoing basis, not less frequently than once a month.  Prior to the commencement of works, verification and acceptance of the document.  During the implementation of the Task, on an ongoing basis, at least once a month.
72	Protection of health safety of people Protection of waters, protection of natural resources	<b>Contractor's responsibility for compliance with the ESHS</b> The Contractor shall ensure that all requirements and conditions of the ESHS and the plan referred to in item 71 are met. This condition applies to the Contractor and its staff, regardless of the legal form of cooperation and respectively to Subcontractors and their staff.	Task area	Contractor's Personnel	Visual monitoring. Verification of the documentation submitted by Subcontractors to the Contractor.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.
73	Protection of health safety of people	<b>Prevention of sexual harassment and mobbing</b> The Contractor shall ensure that during the execution of the Contract, such conditions are in place as to prevent mobbing and sexual harassment to its staff and Subcontractors, as well as to other persons (whether related to the execution of the Contract or third parties).	Task area	Contractor's Personnel	Visual monitoring. Verification of the register of complaints and requests.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual monitoring. Verification of the register of complaints and requests. Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.
74	Protection of health safety	<b>Awareness-raising on the prevention of sexual harassment and mobbing</b>	Task area	Contractor's Personnel	Verification of the qualification of the service provider.	During the Task implementation period, continuous monitoring with monthly reporting.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
	of people	The Contractor shall, through an approved and qualified service provider, conduct training and implement an awareness-raising programme on the prevention of sexual harassment and mobbing. These activities shall be carried out throughout the entire term of the Contract, including the period of notification of defects at least every two months. These will take the form of information, education and awareness-raising campaigns.			Verification of training documentation and awareness-raising programme.	
				Engineer's Personnel	Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period. Once a month.
75	Protection of health safety of people	<p><b>Reporting cases of sexual harassment and mobbing</b></p> <p>It is the Contractor's duty to inform the Consultant immediately about all reported cases and suspicions concerning sexual harassment and mobbing.</p> <p>All cases of reported and suspicions concerning sexual harassment and mobbing should be entered in the register of complaints and requests kept by the Contractor.</p> <p>In the case of mobbing or sexual harassment, the Contractor shall be obliged to take actions aimed at immediate termination of such behaviour and to take all legal measures against the perpetrators of such behaviour. The Contractor shall be also obliged to provide all necessary assistance and support to the victims of such conduct.</p>	Task area	Contractor's Personnel	Verification of the register of complaints and requests.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.
76	Protection of health safety of people	<p><b>Ensuring that staff employed in the implementation of the Task can submit complaints and requests</b></p> <p>Contractor will inform all employees on the works' site about the possibility of lodging complaints about working and pay conditions and will provide an information leaflet with the necessary information on</p>	Task area	Contractor's Personnel	Verification of the register of complaints and requests.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
		how to lodge complaints and requests, in which it will ensure that there are no repercussions for the person reporting a problem. The Contractor will keep a register of complaints and requests. The content of the leaflet and the format of the register will be agreed with the Consultant.				
77	Protection of health safety of people	<p><b>Ensuring accident-free working conditions</b></p> <p>The Contractor shall ensure that in the Task area and outside the Task area (during activities related to the execution of the Task, e.g. during transport) such conditions are met as to prevent accidents involving persons related to the execution of the Contract, including Contractor's, Engineer's, Investor's, Subcontractors' staff, etc., as well as third parties.</p> <p>In the event of such accidents, it is necessary to:</p> <ul style="list-style-type: none"> <li>• immediately ensure proper handling of the injured party</li> <li>• secure the location of the accident</li> <li>• inform the Engineer as soon as possible about the accident and about the Contractor's reaction to the accident</li> <li>• notify the relevant services and allow them to reach the place of the accident.</li> </ul>	Task area	Contractor's Personnel	Visual monitoring. Verification of construction documents and post-accident documentation.	During the Task implementation period, continuous monitoring with reporting once a month and each time in case of an accident covered by the condition.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.
78	Protection of health safety of people	<p><b>Conditions of employment of young workers</b></p> <p>The Contractor may employ only such a worker who is at least 15 years old, has completed primary school of at least eight years duration and has presented a medical certificate stating that the work in question does not endanger his / her health.</p>	Task area	Contractor's Personnel	Visual monitoring. Check of employees' documentation.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
79	Protection of health safety of people	<p><b>Health and Safety Supervision by the Contractor</b></p> <p>During the Task implementation period, the Contractor will ensure constant supervision of health and safety at work. The scope of duties, qualifications and personal composition of the Contractor's HS services shall be in accordance with the Polish labour law regulations.</p> <p>Prior to the commencement of works, the Contractor's health and safety supervision shall conduct a dedicated training for the Contractor's personnel in the field of work safety and accident risk during the execution of the Task.</p>	Task area	Contractor's Personnel	Visual monitoring. Check of employees' documentation.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	During the Task implementation period, continuous monitoring.
80	Protection of health safety of people	<p>The Contractor shall apply and comply with all provisions of the Labour Code and shall comply with the ESHS Code of Conduct. In particular, the following issues should be reflected in the Contractor's employment policy and the remuneration regulations:</p> <ul style="list-style-type: none"> <li>- Ensuring equal pay for employees performing the same work without taking into account gender, sexual orientation or age.</li> <li>- ensuring that persons employed in the Contract are not persecuted or discriminated against on the basis of gender, sexual orientation and age.</li> <li>- ensuring that the Contractor, in accordance with the possibilities and conditions and the Polish Labour Code provisions, will meet the living and social needs of employees in the workplace.</li> <li>- ensuring that the Contractor enable employees to improve their professional qualifications..</li> </ul>	Task area	Contractor's Personnel	Verification of the documentation submitted by the Contractor to the Engineer. Direct random checks of the compliance with the procedures described in individual documents.	During the Task implementation period, continuous monitoring with monthly reporting.
				Engineer's Personnel	Verification of the documentation submitted by the Contractor to the Engineer. Direct random checks of the Contractor's compliance with the procedures described in individual documents.	During the Task implementation period, continuous monitoring.
<b>P REQUIREMENTS FOR CARRYING OUT ENVIRONMENTAL MONITORING</b>						

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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
81	Protection of wildlife	<p><b>Carrying out environmental monitoring during the works period</b></p> <p>It is necessary to carry out environmental monitoring consisting in the check of the execution of dredging works and implementation of mitigation measures for the duration of the whole project.</p> <p>Environmental supervision will control the course of the works, with particular emphasis on the need to introduce solutions for bird protection and the need to indicate the date and manner of carrying out the works in relation to the sites of protected species.</p>	Task implementation area and the directly adjacent area indicated in Attachment 7 to the EMP.	Contractor's Personnel	<p>Confirmation of the Contractor's execution of activities in the monthly report on the Contract execution, supported by reports from the field inspection, reports of environmental specialists, etc.</p> <p>Control of the submission of documents to the Engineer.</p>	During the implementation of the Task, on an ongoing basis, at least once a week.
				Engineer's Personnel	<p>Verification of the documentation submitted by the Contractor to the Engineer. Ongoing inspections of the fulfilment of current duties by environmental experts in the Contractor's team.</p>	During the implementation of the Task, on an ongoing basis, at least once a month.
82	Protection of wildlife	<p><b>Carrying out monitoring of the protection of ichthyofauna and the water chestnut site</b></p> <p>Monitoring (measurements of water temperature, measurements of suspended solids and oxygen concentration in water) should be carried out in accordance with the principles specified in items 18 and 23 of Table 1. of the EMP.</p>	Monitoring points localised: approximately 500 m downstream the works carried in the Klucz – Ustowo canal, and in the Obnica Północna Canal, 100 m from the estuary to the Klucz - Ustowo ditch.	Contractor's Personnel	<p>Measurement of suspended solids and oxygen concentration in water using an on-line analyser.</p> <p>Measurement of water temperature.</p> <p>The dissolved oxygen concentration should be measured in the middle of the water column - approx. 1.0 m below the surface.</p>	<p>During the Task implementation period, on an ongoing basis, at least once a day during the period of works with reporting once a week.</p> <p>Monitoring of suspended solids and dissolved oxygen concentrations should be carried out daily, after at least 2 hours of works (with normal intensity).</p>
				Engineer's Personnel	<p>Visual monitoring.</p> <p>Verification of the documentation submitted</p>	During the implementation of the Task, on an ongoing basis, at least once a week.



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Item	Issue	Subject of monitoring	Area of monitoring	Responsible party	Method of monitoring	Period and frequency of monitoring
					by the Contractor to the Engineer.	
83	Protection of soils, surface waters	<b>Tightness check of reservoirs</b>  Regular leakage tests should be carried out on machine fuel tanks and tanks where fuels and oils are stored.	Task area	Contractor's Personnel	Visual monitoring.	During the implementation of the Task, on an ongoing basis, at least once a week.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	During the implementation of the Task, on an ongoing basis, at least once a month.
84	Protection of soils, surface waters	<b>Visual and organoleptic assessment of spoil</b>  During the execution of the Task, the Contractor will continuously assess and verify the quality of the spoil in terms of any possible changes in colour, smell and consistency.	Task area	Contractor's Personnel	Visual monitoring.	On an ongoing basis throughout the entire period of works, with reporting once a week.
				Engineer's Personnel	Visual monitoring. Verification of the documentation submitted by the Contractor to the Engineer.	On an ongoing basis throughout the entire period of works, with reporting once a week.
<b>R REQUIREMENTS CONCERNING THE CHECK OF COMPLIANCE WITH THE RECORDS OF DOCUMENTS PREPARED BY THE CONTRACTOR</b>						
85	Implementation and reporting of the EMP implementation	During the execution of the Task, the Contractor shall verify on an ongoing basis that the principles set forth in the documents prepared prior to the commencement of works are observed and shall update them if necessary.  In particular, it will concern the following documents: health protection and safety plan, waste management plan, flood protection plan of the construction site for the duration of the works, Spillage Procedure, dredging works plan, Safe Navigation Project .	Task area	Contractor's Personnel	Check of compliance with the procedures described in individual documents.	During the implementation of the Task, on an ongoing basis, at least once a week.
			Task area	Engineer's Personnel	Verification of the documentation submitted by the Contractor to the Engineer. Direct random checks of the Contractor's compliance with the procedures described in individual documents.	During the implementation of the Task, on an ongoing basis, at least once a month.